

AMENDMENTS TO THE CLAIMS

1. (currently amended) A docking station for a mobile computer, comprising:
a dock housing ~~for being~~ coupled to a desktop display and including a first primary bus;
and
an extended bridge ~~that is coupled between said first bus and a second bus, said first bus~~
~~residing in said dock housing and said second bus for being coupled to the mobile computer, and~~
a docking sleeve for mounting into said dock housing, wherein said mobile computer is
slidably fitted into said docking sleeve and mates with a connector for a secondary bus,
wherein said docking sleeve is adjustable comprising:
a first side having an end connected to the primary bus of the dock housing;
a second side having an end connected to a secondary bus for connecting to the
mobile computer; and
a device that implements a peripheral component interconnect (PCI)-to PCI
communication.
2. (currently amended) The station according to claim 1, wherein said extended bridge
comprises a serial bridge ~~which separates two sides of the bridge using a parallel connector, in~~
which another end of said first side and another end of said second side are connected by a
parallel connector.
3. (currently amended) The station according to claim 1, wherein said extended bridge
comprises a serial bridge ~~which separates two sides of said extended bridge using that~~
implements a serial communications layer.
4. (currently amended) The station according to claim 1, wherein ~~one of said first and second~~
~~busses comprises a primary bus and the other of said first and second busses comprises a~~
~~secondary bus and wherein said extended bridge comprises a separated bridge such that a first~~

~~side of the separated bridge is placed on said primary bus, and a~~ the second side of said separated bridge is ~~implemented on~~ connected to one of said secondary bus ~~[[or]]~~ and a bus extension.

5. (currently amended) The station according to claim 3, ~~further comprising wherein said extended bridge further comprises~~ a converter for converting ~~[[a]]~~ parallel bus data into a serial stream and back for the serial communications layer.

6. (original) The station according to claim 3, wherein the serial stream is supported on no more than four wires.

7. (currently amended) The station according to claim 5, wherein the serial stream is supported on four ~~pins~~ wires.

8. (currently amended) A communication system, comprising:

a mobile computer including an input/output (I/O) bus and a graphics adapter;

a desktop display panel ~~for being operatively~~ coupled to said mobile computer;

a pointing device for providing inputs for display on said desktop display panel;

a dock ~~for mating~~ that connects with the mobile computer ~~using a connection over by connecting to the input/output (I/O[[]])~~ bus to drive the graphics adapter and the desktop display panel ~~along and that connects~~ with the pointing device~~[[:]]~~.

~~a docking sleeve for mounting into said dock, wherein said mobile computer is slidably fitted into the docking sleeve and mates with a connector for a bus of the dock;~~

~~wherein said I/O bus comprises an extended bridge that is coupled between a first bus and a second bus, said first bus residing in said dock and said second bus for being coupled to the mobile computer;~~

~~wherein a base of the desktop display panel is selectively connected to said pointing device, and~~

wherein the dock comprises an extended bridge, said extended bridge comprising:

a first side having an end connected to a primary bus of the dock;
a second side having an end connected to the I/O bus of the mobile computer; and
a device that implements a peripheral component interconnect (PCI)-to

PCI communication, and

wherein computing power is provided by the mobile computer with access to data from the mobile computer.

9. (currently amended) The system according to claim 8, wherein said ~~connection comprises one of a serial connection and a parallel connection over said I/O bus~~ extended bridge implements one of a serial communications layer and a parallel communications layer.

10. (currently amended) A computer system, comprising:

a mobile computer;

a docking station for receiving said mobile computer;

~~an extended bridge that is coupled between said first bus and a second bus, said first bus residing in said dock housing and said second bus for being coupled to the mobile computer; wherein said extended bridge separates said first bus and said second bus comprising:~~

a first side having an end connected to a primary bus of the docking station;

a second side having an end connected to a secondary bus for connecting to the mobile computer; and

a device that implements a peripheral component interconnect (PCI)-to PCI communication; and

a flat panel display ~~formed with~~ disposed in said docking station ~~for being coupled to said mobile computer via said docking station, an adapter of said mobile computer using one of a serial connector and a parallel connector to mate the two sides of the bridge;~~

~~wherein said flat panel display includes a base, wherein said docking station is mounted on said base, and said base including a peripheral device for storing an additional application and data for when said mobile computer is used in a desktop mode;~~

~~a docking sleeve for mounting into said base, wherein said mobile computer is slidably fitted into said docking sleeve; and~~

~~a video adaptor of the display that is housed in said base and connected to said first and second bus connect to another end of the first side and another end of the second side of the extended bridge.~~

11. (currently amended) The system according to claim 10, wherein said first side of the separated extended bridge is placed in ~~said mobile computer~~ the docking station and the second side end is placed in ~~said docking station~~ connected to said mobile computer.

12. (currently amended) The system according to claim 11, ~~wherein a bus of the mobile computer comprises a primary bus and an extended bus in said docking station functions as a secondary bus; and~~

wherein said secondary bus ~~driver~~ includes adaptors for peripheral components including ~~any of at least one of~~ a high resolution graphics component and a disk drive.

13. (original) The system according to claim 10, wherein said docking station comprises a base of said flat panel display.

14. (currently amended) The system according to claim 12, wherein said docking station includes a docking sleeve, and said mobile computer is slidably fitted into said docking sleeve and mates with ~~[[a]]~~ the one of a serial connector and a parallel connector for the dock's secondary bus, and

wherein a base of the flat panel display is selectively connected to one of an input device and a pointing device, and a video adaptor of the display ~~being is~~ connected to an input/output (I/O) bus and housed in the base.

15. (currently amended) The system according to claim 14, wherein said input/output (I/O)

bus is ~~positioned~~ disposed in said base, said base further comprising at least one of a compact disk (CD) drive (~~CD~~) and a digital video disk (DVD) drive coupled to said I/O bus in said base.

16. (original) The system according to claim 10, wherein dimensions of said docking station are selectively adjustable to accommodate a variety of different sized mobile computers.

17. (canceled)

18. (canceled)

19. (original) The system according to claim 14, wherein said base comprises a modular component of said display.

20. (currently amended) The system according to claim 10, further comprising:
a cooling fan ~~formed~~ disposed in said docking station.

21. (currently amended) The system according to claim 10, further comprising:
a cooling fan ~~formed~~ disposed in said base.

22. (currently amended) The docking station according to claim 1, further comprising:
a video ~~adaptor~~ adapter for said display, said video adapter being connected to an input/output (I/O) bus and housed in a base of said display.

23. (previously presented) The docking station according to claim 1, wherein said docking station further includes a base, wherein a portion of said docking station is mounted onto said base, and said base includes a peripheral device for storing an additional application and data for when said mobile computer is used in a desktop mode.

24. (previously presented) The docking station of claim 1, further comprising:
a graphics adapter connected to said docking station, wherein said graphics adapter receives display data from said mobile computer through said first bus and said second bus.

25. (currently amended) The communication system of claim 8, wherein said I/O bus, comprises:

- a first bus ~~operatively~~ coupled to said dock housing;
- a second bus ~~operatively~~ coupled to said mobile computer; and
- an extended bridge that is coupled between said first bus and said second bus,
wherein said extended bridge separates said first bus and said second bus.

26. (currently amended) The communication system of claim 25, wherein one of said first and ~~said second busses~~ bus comprises a primary bus and the other of said first and ~~said second busses~~ bus comprises a secondary bus, and

wherein said extended bridge comprises a separated bridge such that a first side of the separated bridge is ~~placed on~~ connected to said primary bus, and a second side of said separated bridge is ~~implemented on~~ connected to one of said secondary bus and a bus extension.
